

XP-002231458

(11)

AN - 1996-217159 [22]  
AP - JP19940219966 19940914  
CPY - KOB A  
DC - A96 B05 D21 E16  
DR - 0137-U 0689-U 0831-U 0908-U 1300-U 1312-U 1390-U  
FS - CPI  
IC - A61K7/00 ; A61K7/48 ; C07C229/12  
MC - A12-V01 A12-V04C B10-B02J B14-A01 B14-N17 D08-B09A E10-B02D6  
M1 - [17] M423 M431 M782 M903 P220 P943 V780  
M2 - [01] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01390-M; 1390-U  
- [03] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00831-M; 0831-U  
- [05] H4 H402 H482 H8 M280 M314 M321 M332 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00908-M; 0908-U  
- [07] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01312-M; 1312-U  
- [09] G013 G100 H4 H401 H441 H8 J0 J011 J2 J231 M210 M211 M272 M281  
M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P220 P943;  
R00689-M; 0689-U  
- [11] H4 H402 H482 H8 M280 M313 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00137-M; 0137-U  
- [13] D012 D016 D025 D120 J0 J011 J2 J241 M210 M211 M225 M232 M240 M262  
M281 M283 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 P220 P943  
V0 V350; R04124-M  
- [15] H4 H402 H482 H8 M280 M313 M321 M332 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01300-M; 1300-U  
M3 - [02] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01390-M; 1390-U  
- [04] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00831-M; 0831-U  
- [06] H4 H402 H482 H8 M280 M314 M321 M332 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00908-M; 0908-U  
- [08] H4 H402 H482 H8 M280 M314 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01312-M; 1312-U  
- [10] G013 G100 H4 H401 H441 H8 J0 J011 J2 J231 M210 M211 M272 M281  
M320 M414 M431 M510 M520 M531 M540 M782 M903 M904 M910 P220 P943;  
R00689-M; 0689-U  
- [12] H4 H402 H482 H8 M280 M313 M321 M331 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R00137-M; 0137-U  
- [14] D012 D016 D025 D120 J0 J011 J2 J241 M210 M211 M225 M232 M240 M262  
M281 M283 M320 M412 M431 M511 M520 M530 M540 M782 M903 M904 P220 P943;  
R04124-M  
- [16] H4 H402 H482 H8 M280 M313 M321 M332 M342 M383 M391 M416 M431 M620  
M782 M903 M904 M910 P220 P943; R01300-M; 1300-U  
PA - (KOB A ) KOBAYASHI SEIYAKU KK  
PN - JP8081348 A 19960326 DW199622 A61K7/48 004pp  
PR - JP19940219966 19940914  
XA - C1996-068789  
XIC - A61K-007/00 ; A61K-007/48 ; C07C-229/12  
AB - J08081348 Prepn. contains 20 wt.% or more trimethylglycine or a

combination of 15 wt.% or more trimethylglycine and 5 wt.% or less polyhydric alcohol.

- USE/ADVANTAGE - The preparation has excellent moisturizing and antiseptic properties. The prepn. exhibits excellent moisturizing and antiseptic effects with less irritation to skin and good feeling in use. The polyhydric alcohol in addition with trimethylglycine improves antiseptic property.
- Fifteen aq. preparations were prepared and tested on antibacterial activity (cultured at 37 deg.C with 0.1 ml. seeding contg. 1,000,000 cells/ml to each 10 ml sample and counted No. of colonies per 0.1 ml) to give results below (Ex.no., components by wt.%, antibacterial effect of No. of colonies at 7th/14th day, to Escherichia coli, Staphylococcus aureus and Pseudomonas aeruginosa): (1), 0.05 methyl paraben, 10,000/10,000, 10,000/10,000, 10,000/10,000; (2) 5.0 trimethylglycine, 100,000 or more/not determined, 100,000 or more/not determined, 100,000 or more/not determined; (3) 10.0 trimethylglycine, 100,000 or more/not determined, 100,000 or more/not determined, 100,000 or more/not determined; (4) 15.0 trimethylglycine, 10,000/10,000, 10,000/1,000 100,000 or more 100,000 or more; (5) 20.0 trimethylglycine, 1,000/100, 100/28, 1,000/1000; (6) 30.0 trimethylglycine, 0/0, 0/0, 32/0; (7), 10.0 trimethylglycine and 0.05 methyl paraben, 0/0, 10,000/10,000, 100,000 or more/100,000 or more; (8), 10.0 trimethylglycine, 0.5 polyoxyethylene hardened castor oil (60 E.O.) and 0.05 methyl paraben, 100,000 or more/not determined, 100,000 or more/not determined, 100,000 or more/not determined, (9) 15.0 trimethylglycol and 0.1 M citrate buffer soln. (ph 7.0), 10,000/10,000, 10,000/1,000, 100,000 or more/100,000 or more; (10) 15.0 trimethylglycine and 5.0 0.1 M citrate duffer soln. (pH 5.3), 100,000 or more 100,000 or more, 10,000/10,000, 100,000 or more/100,000 or more; (11) 15.0 trimethylglycine and 5.0 propylene glycol, 1,000/86, 1,000/0, 100/0; (12) 15.0 trimethylglycine and 5.0 1,3-butylene glycol, 1,000/100, 1,000/21, 1,000/30; (13) 20.0 trimethylglycine and 5.0 propylene glycol, 0/0, 0/0, 0/2; (14) 20.0 trimethylglycine, 0.5 polyoxyethylene hardened castor oil (60 E.O.) and 0.05 tocopherol acetate, 1,000/0, 0/0, 1,000/73; and (15) 30.0 trimethylglycine, 0.5 polyoxyethylene hardened castor oil; (60 E.O.) and 0.05 tocopherol acetate, 0/0, 0/0, 0/0.
- Excellent moisturizing effect of trimethylglycine was determined in comparison with known moisturizing agents glycerol, sorbitol and sodium pyrrolidonecarboxylate indicating residual water content after standing in atmosphere of 30 +/- 1 deg.C and relative humidity of 35 +/- 3% in aq. 50% soln.(Dwg.0/1)

CN - R01390-M R00831-M R00908-M R01312-M R00689-M R00137-M R04124-M R01300-M  
DRL - 1390-U 0831-U 0908-U 1312-U 0689-U 0137-U 1300-U

IW - EXTERNAL DERMAL PREPARATION CONTAIN TRI METHYL GLYCINE CONTAIN TRI  
METHYL GLYCINE POLY HYDRIC ALCOHOL

IKW - EXTERNAL DERMAL PREPARATION CONTAIN TRI METHYL GLYCINE CONTAIN TRI  
METHYL GLYCINE POLY HYDRIC ALCOHOL

NC - 001

OPD - 1994-09-14

ORD - 1996-03-26

PAW - (KOBAYASHI SEIYAKU KK

**BEST AVAILABLE COPY**

T1 - External dermal prepn. contg. tri:methyl-glycine - contains  
tri:methyl:glycine and poly-hydric alcohol